

WHAT IS CLAIMED IS:

1. A solid-state laser device, comprising two or more resonators for outputting laser beams on a same axis, a first light emitter and a second light emitter for entering excitation light to each of said resonators, a photodetector for monitoring which monitors the outputted laser beams, and a control unit for performing constant output control of at least one of said first light emitter and said second light emitter based on a signal from said photodetector for monitoring.

2. A solid-state laser device according to claim 1, wherein at least one of said first light emitter and said second light emitter is placed under constant output control, and the other of said first light emitter and said second light emitter is driven with a constant current.

3. A solid-state laser device according to claim 1, wherein said device is designed in such manner that an output change rate to an electric current to drive said first light emitter is made different from an output change rate to an electric current to drive said second light emitter.

4. A solid-state laser device according to claim 1, wherein the control unit selectively controls said first light emitter and said second light emitter under constant output control.

5. A solid-state laser device according to claim 1, wherein said two or more resonators each have beam waists, and positions of the beam waists are approximately equal to each other.